



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/075,927

Filing Date:

February 13, 2002

Applicant:

Fung et al

Group Art Unit:

2859

Examiner:

Christopher W. Fulton

Title:

Drill Level Indicator

Attorney Docket:

0275S-000489/COA

Mail Stop AF
Director of The United States Patent and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

## **AMENDMENT**

Sir:

In response to the Office Action dated December 24, 2003, please consider the following.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 11 of this paper.

03-25-04 amore

ENCLOSURES (chack all that apply)    Fee Transmittal Form	Please type a plus sig	n (+) inside this box	$\rightarrow \Box$	Ü	mare			3/27 based 011F10/36/21 (00-00)
First Named Inventor   Fung et al	<b>3</b>			Applic	cation Number		10/075	,927
First Named Inventor   Fung et al	FORIVI			Filing Date		Ť	February 13, 2002	
Examiner Name   Christopher W. Fulton				First Named Inventor		r	· · · · · · · · · · · · · · · · · · ·	
Attorney Docket Number   0275S-000489/COA				Group Art Unit			2859	
ENCLOSURES (chack all that apply)    Fee Transmittal Form				Examiner Name		1	Christopher W. Fulton	
Fee Transmittal Form	Total Number of Pages in This Submission			Attorney Docket Number		ber	0275S-000489/COA	
Fee Attached			ENCLO	SURES	(check all that ap	oply)		
Amendment / Response	Fee Transmittal Fe	orm		signment Papers			I <del></del>	
After Final Petition to Convert to a Provisional Application Status Letter    Aftidavits/declaration(s) Petition to Convert to a Provisional Application Status Letter   Power of Attorney, Revocation Change of Correspondence Address   Chempeter of Correspondence Address   Chempeter of Correspondence Address   Chempeter of Correspondence Address   Correspondence Address	Fee Attached		Drawing(s)					
After Final Petition Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Petition Petition Perition Petition Perition Petition	Amendment / Response		Licensing-related Papers					
Affidavits/declaration(s)  Provisional Application  Provisional Application  Provisional Application  Provisional Application  Power of Attorney, Revocation Change of Correspondence Address  Terminal Disclaimer  Request for Refund  Information Disclosure Statement  CDD, Number of CD(s)  The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.1 to Deposit Account No. 02-2548. A duplicate copy of this sheet is enclosed.  Response to Missing Parts/ Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53  SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT  Firm or Individual name  Signature  Date  March 24, 2004  CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mall in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsi	After Final		Petition					
Extension of Time Request  Change of Correspondence Address  Terminal Disclaimer  Request for Refund  Information Disclosure Statement  Certified Copy of Priority Document(s)  Remarks  The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.1 to Deposit Account No. 02-2548. A duplicate copy of this sheet is enclosed.  SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT  Firm  Or  Individual name  W. R. Duke Taylor  Firm  Or  Individual name  Firm  Or  Individual name  Firm  Or  Individual name  W. R. Duke Taylor  Firm  Or  Individual name  Firm  Or  Individual name  W. R. Duke Taylor  Attorney Name  W. R. Duke Taylor  Individual Name  W. R. Duke Taylor  Attorney Name  W. R. Duke Taylor  Individual Name  W. R. Duke Taylor  Signature  Date  CERTIFICATE OF MAILING/TRANSMISSION  Increase and Increase and Individual name in envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail  Ev 406 074 798 US (3/24/2004)	Affidavits/declaration(s)		. —				Status Letter	
Express Abandonment Request    Terminal Disclaimer	Extension of Time Request					ress		
□ Information Disclosure Statement □ CD, Number of CD(s) □ Certified Copy of Priority Document(s) □ Response to Missing Parts/ Incomplete Application □ Response to Missing Parts under 37 CFR 1.52 or 1.53 □ SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT □ Individual name □ CD, Number of CD(s) □ The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.1 to Deposit Account No. 02-2548. A duplicate copy of this sheet is enclosed. □ Response to Missing Parts under 37 CFR 1.52 or 1.53 □ SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT □ Attorney Name W. R. Duke Taylor □ Attorney Name W. R. Duke Taylor □ Attorney Name W. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Arthory Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANSMISSION □ Attorney Name V. R. Duke Taylor □ CERTIFICATE OF MAILING/TRANS	Express Abandonment Request		Terminal Disclaimer					
Certified Copy of Priority Document(s)  Remarks  The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.1 to Deposit Account No. 02-2548. A duplicate copy of this sheet is enclosed.  Signature OF APPLICANT, ATTORNEY, OR AGENT  Attorney Name W. R. Duke Taylor  Signature  Date  March 24, 2004  CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  Ev 406 074 798 US (3/24/2004)								
Attorney Name Or Individual name  Signature  Date  March 24, 2004  CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  Mesponse to Missing Parts/ Incomplete Application  Attorney Name W. R. Duke Taylor  Attorney Name W. R. Duke Taylor  Attorney Name W. R. Duke Taylor  CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  EV 406 074 798 US (3/24/2004						oper is t	oroby c	outhorized to charge only
Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53  SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT  Firm Or Individual name Harness, Dickey & Pierce, P.L.C.  W. R. Duke Taylor  CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  EV 406 074 798 US (3/24/2004			Remarks additional fees that not be be be a count for the				y be re	quired under 37 CFR 1.16 or 1.17
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT  Firm or Individual name  Signature  Date  March 24, 2004  CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  Express Mail Label No.					sileet is enclos	seu.		
Signature  Date  March 24, 2004  CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  Signature  CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  Express Mail Label No.	Parts under 3							
Firm or Individual name  Signature  Date  March 24, 2004  CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  Express Mail Label No.	1.52 OF 1.53							_
Or Individual name  Signature  Date  March 24, 2004  CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  Express Mail Label No.	Firm	SIGNA	URE OF A			EY, OR	AGEN	
CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  Ev 406 074 798 US (3/24/2004)	or	Harness, Dickey & Pierce, P.L.(						•
CERTIFICATE OF MAILING/TRANSMISSION  I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  EV 406 074 798 US (3/24/2004)	Signature W.K.							
I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  Ev 406 074 798 US (3/24/2004	Date	March 24, 2004						
addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.  Typed or printed name  W. R. Duke Taylor  Express Mail Label No.  Ev 406 074 798 US (3/24/2004)								
Typed or printed name W. R. Duke Taylor Express Mail Label No. Ev 406 074 798 US (3/24/2004	addressed to: Direct	or of the U.S. Pate	nt and Trac	lemark (	Office, P.O. Box	1450. A	Service Iexandri	as express mail in an envelope ia, VA 22313-1450, or facsimile
					Expi			EV 406 074 798 US (3/24/2004)
	Signature	W.K		J		C PRINCE PROPERTY AND IN COLUMN TO THE PROPERTY AND INCOLUMN TO THE PROPERTY AND IN COLUMN TO THE PROPERTY AND INCOLUMN TO THE PROPERTY AND IN COLUMN TO THE PROPERTY AND INCOLUMN TO THE PROPERTY A		March 24, 2004